



DEPARTMENT OF THE AIR FORCE
59TH MEDICAL WING (AETC)
JOINT BASE SAN ANTONIO - LACKLAND TEXAS

8 APR 2016

MEMORANDUM FOR SGOWMP
ATTN: ZORAN BURSAC

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled **Statistical Challenges in Military Research** presented at **Joint Statistical Meetings, Chicago, IL 30 July – 4 Aug 2016 and Proceedings of the Joint Statistical Meetings** with MDWI 41-108, and has been assigned local file #**16138**.
2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.
3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are 59 MDW staff member, we can forward your request for funds to the designated wing POC.
4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

LINDA STEEL-GOODWIN, Col, USAF, BSC
Director, Clinical Investigations & Research Support

PROCESSING OF PROFESSIONAL MEDICAL RESEARCH PUBLICATIONS/PRESENTATIONS			
TO: Clinical Research Division/SGVU (59th CSPG/SGVU)	FROM: (Name/Rank/Office Symbol) 59MHS/SGOWMP University of TN Health Science Center	PROTOCOL NUMBER: FWH20100149H	
PROTOCOL TITLE Measures and Determinants of Smokeless Tobacco Use, Prevention, and Cessation			
1. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED Statistical Challenges in Military Research			
2. IS THIS MATERIAL CLASSIFIED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
3. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA), MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUAL PROPERTY RIGHTS AGREEMENT, ETC.? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (NOTE: If the answer is 'YES' then attach a copy of the Agreement to the Publications/Presentations Request Form)			
4. MATERIAL IS FOR (Check appropriate box or boxes for approval with this request.) (ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED)			
<input type="checkbox"/>	PUBLICATION/JOURNAL (List intended publication/journal)		
<input checked="" type="checkbox"/>	PUBLISHED ABSTRACT (List intended journal) Proceedings of the Joint Statistical Meetings		
<input checked="" type="checkbox"/>	POSTER (To be demonstrated at meeting/Name of Meeting, City, State, and Date of Meeting) Joint Statistical Meetings, Chicago, IL, July 30- Aug 4		
<input type="checkbox"/>	PLATFORM PRESENTATION (At civilian institutions/Name of Meeting, State, and Date of Meeting)		
<input type="checkbox"/>	OTHER (Describe; Name of Meeting, City, State, and Date of Meeting)		
POINT OF CONTACT			
5. WHO IS THE PRIMARY WHASC POINT OF CONTACT? (Last, First, M.I.) (Include email McKenna, Lisa, R., lisa.mckenna.ctr@us.af.mil; lmckenn1@uthsc.edu			DUTY PHONE/PAGER No. (210) 292-3813
AUTHORSHIP AND CO-AUTHOR(S) (List in the order they will appear in the manuscript)			
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d. Krukowski, Rebecca, A, PhD	Non-DoD Civ	N/A	UTHSC
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f. Talcott, G. Wayne, PhD	Non-DoD Civ	59MHS/SGOWMP	59MDW
g. Klesges, Robert, C, PhD	Non-DoD Civ	N/A	UTHSC
h.			
i.			
j.			
I CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401 JP AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.			
AUTHOR'S PRINTED NAME/RANK/GRADE Gerald W. Talcott, PhD	AUTHOR'S SIGNATURE TALCOTT.GERALD.W.1133058962,		DATE 20 Jan 2016
COMMANDER'S PRINTED NAME, RANK Richards, Joseph R., Lt Col	COMMANDER'S SIGNATURE RICHARDS.JOSEPH.R.1169781032		DATE 29 Jan 2016

PROCESSING OF PROFESSIONAL MEDICAL RESEARCH PUBLICATIONS/PRESENTATIONS			
1st INDORSEMENT (SGVU Use Only)			
TO: Clinical Research Division 59TH CSPG/SGVU <i>(Contact 292-7141 for email instructions)</i>	1. DATE RECEIVED 11 Mar 2016	2. ASSIGNED PROCESSING REQUEST FILE NUMBER 16138	
3. DATE REVIEWED 15 Mar 2016		4. DATE FORWARDED TO PA	
5. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <i>(If yes, give date)</i> <input type="checkbox"/> N/A			
6. COMMENTS <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED The article is approved.			
PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER Rocky Calcote, PhD Clinical Research Administrator		SIGNATURE OF REVIEWER <div style="border: 1px solid black; padding: 2px; display: inline-block;">CALCOTE.ROCKY.D.1178245844</div>	
		DATE 15 Mar 2016	
2ND INDORSEMENT (PA Use Only)			
TO: OFFICE OF PUBLIC AFFAIRS (PA)	1. DATE RECEIVED 6 April 2016	2. DATE FORWARDED TO 59TH CSPG/SGVU 7 April 2016	
3. COMMENTS <input checked="" type="checkbox"/> APPROVED <i>(In compliance with security and policy review directives)</i> <input type="checkbox"/> DISAPPROVED			
PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER Christopher Carwile, TSgt/E-6 NCOIC, PA		SIGNATURE OF REVIEWER <div style="border: 1px solid black; padding: 2px; display: inline-block;">CARWILE.CHRISTOPHER.STEWART.1280477229,</div>	
		DATE 7 Apr 2016	
3RD INDORSEMENT (SGVU Use Only)			
TO: 59 CSPG/SGVU			1. DATE RECEIVED
2. SENIOR AUTHOR NOTIFIED BY PHONE OF APPROVAL OR DISAPPROVAL <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> COULD NOT BE REACHED <input type="checkbox"/> LEFT MESSAGE			
3. DATE WRITTEN NOTICE OF APPROVAL AND CLEARNCE MAILED TO AUTHOR:			
4. COMMENTS <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED			
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		DATE	

Statistical Challenges in Military Research

Zoran Bursac, Melissa Little, Karen Derefinko, Rebecca Krukowski, Lauren Colvin, Wayne Talcott, Robert Klesges

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The Center for Population Sciences at the University of Tennessee Health Science Center currently has five NIH/DOD funded grant projects addressing tobacco, alcohol abuse, and obesity prevention in partnership with the US Air Force (USAF). These and future research projects inherently face certain statistical challenges resulting from environmental, policy, and behavioral constraints that are present and are not in control of the research team. Challenges are present at various stages of the research process. For example, during the design stage we cannot have a true control group or ask alcohol use related questions from underage Airmen. When estimating sample size and power needed for studies, we have a large number of Airmen clustered on multiple levels such as training flights within squadrons on a limited number of USAF bases. We collect outcome measures that tend to be zero skewed, such as intent to use tobacco products or consume alcohol in the future, which requires attention during data analysis. This paper will present several examples and solutions regarding statistical challenges researchers face at various stages of the process, and have to consider while planning and conducting studies in the USAF.

American Statistical Association (Section on Defense and National Security), Joint Statistical Meetings, Chicago, IL, August 2016

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